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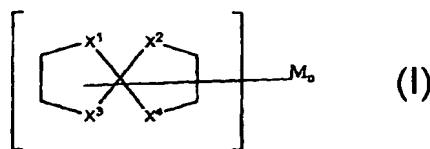
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Declaration under Rule 4.17:

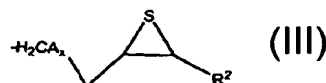
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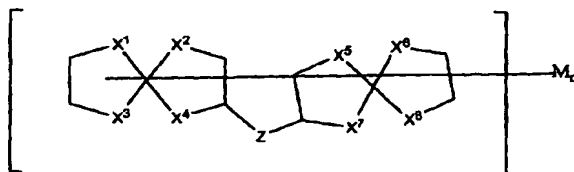
(54) Title: SPIROTETRATHIOCARBAMATES AND SPIROOXOTHIOCARBAMATES



(I)



(III)



(II)



(IV)

(57) Abstract: Spirotetrathiocarbamates (STOCs) or oxa substituted compounds (SOTOCs) of Formula (I): (Formula (I)) or bis-STOC or bisSOTOC compounds of Formula (II): (Formula (II)) wherein X¹, X², X³, X⁴, X⁵, X⁶, X⁷, and X⁸ are independently O or S; and preferably at least two and up to all four of X¹, X², X³ and X⁴, and at least two and up to all four of X⁵, X⁶, X⁷, and X⁸ are sulfur; Z is -C_mR^{2m} wherein m = 1 to 4; -C(R²)₂SC(R²)₂-, C(R²)₂SSC(R²)₂-, or -C(R²)₂OC(R²)₂-, n is from 0 to 4; M is selected from CH₂C1, CH₂SC(O)R¹, CH₂SC(S)R¹, CH₂S(CH₂CH₂S)qH wherein q is 0, 1 or 2; -CR²=CH₂-, -CH₂OC(O)CR²=CH₂-, CH₂N=C=S, CH₂N=C=O, CH₂NR²H, CH₂OH, CH₂SCH₂CH₂CR²=CH₂, phenyl, C(R²) phenyl, furan, thiophene, halogen, C₃-C₆ cycloalkyl, C₃-C₆ heterocyclics, thiol, H, (III) or (IV) wherein A is S, O or phenyl; x is 0 or 1; R¹ is C₁-C₂₂ alkyl; and R² is H or C₁-C₂₂ alkyl have excellent optical properties. Methods for preparing these compositions and optical lenses prepared from the compounds are also provided.



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- *with international search report*
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, CHEM ABS Data, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 787 370 A (OKA I ET AL) 22 January 1974 (1974-01-22) examples 14,16-18	1
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *G* document member of the same patent family

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

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PCT/EP 03/15046

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